

# **SINGLE CRYSTAL OSCILLATOR RF TRANSMITTER SYSTEM**

## **ABSTRACT OF THE DISCLOSURE**

A single crystal oscillator RF transmitter system converts a data to be transmitted into RF packets by a converter under the control of a microprocessor, receives the RF packets and generates an RF signal accordingly to be sent out by a transmitter. The system comprises a local oscillator to generate a first clock in response to an external crystal to provide for the transmitter and connected to a clock switch which divides the frequency of the first clock so as to generate a second clock to the microprocessor and a third clock to the converter. Alternatively, an RC oscillator generates a fourth clock for the clock switch to provide the second and third clocks for the microprocessor and converter, respectively.